

**Trade name: Erkosit Powder**  
**Safety data sheet in accordance with 91/155/EEC**  
 Date of printing : 27.02.2009

**01. Identification**

01.01 Product details	
01.01.01. Trade name	Erkosit Powder
01.02. Identification of the manufacturer	
01.02.01. Address	ERKODENT Erich Kopp GmbH, Siemensstr. 3, D-72285 Pfalzgrafenweiler
01.02.02. Information provided by	Chemie
01.02.03. Telephone number	Tel.: (+49) (0) 7445 / 85 01 - 0, Fax: (+49) (0) 7445 / 20 92
01.02.04. Emergency telephone number :	

**02. Composition/information on ingredients**

02.01. Chemical characterization	Acrylpolymer auf Basis von Methylmethacrylat
02.02. Substance / product identification	
02.03. Hazardous ingredients	Dibenzoylperoxid; CAS-Nr.: 94-36-0; Inh.: < 1%; Hazard symbols: Xi; R phrases: 36,43
02.04. Additional information	

**03. Hazards possibilities**

03.01. Hazard designation	-
03.02. Particular information pertaining specific risk for human / environment	No special hazards have to be mentioned.,

**04. First aid measures**

04.01. General Information	-
04.02. First aid measures / inhalation.	Ensure supply of fresh air.
04.03. First aid measures / skin contact.	In case of contact with skin wash off immediately with soap and water., Consult a doctor if skin irritation persists.
04.04. First aid measures / eye contact.	In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water., Begin with medical treatment.
04.05. First aid measures / ingestion..	-
04.06. Advice to doctor	-

**05. Fire-fighting measures**

05.01. Suitable extinguishing media	foam dry powder carbon dioxide. water mist
05.02. Extinguishing media that must not be used for safety reasons	Full water jet
05.03. Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases.	Take precautionary measures against electrostatic loading., Containers in danger should be cooled with water.
05.04. Special protective equipment for firefighting	
05.05. Additional informations (chapter 5)	Cool endangered containers with water spray jet., Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

**06. Accidental release measures**

06.01. personal precautions.	Avoid dust formation., Avoid contact with skin, eyes and clothing.
06.02. environmental precautions.	-
06.03. methods for cleaning up/taking up.	Pick up mechanically.
06.04. Additional informations (chapter 6).	

**07. Handling and storage**

07.01. Handling	
07.01.01. Hints on safe handling.	Avoid dust formation.
07.01.02. Hints for protection against fire and	Keep away from sources of ignition - refrain from

explosion.	smoking.
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07.02. Storage	
07.02.01. Requirements for storage rooms and vessels.	Store product in closed containers.
07.02.02. Hints on storage assembly.	Do not store together with foodstuffs.
07.02.03. Further information on storage conditions.	Keep container tightly closed, cool and dry.
07.02.04. Storage category	-
07.02.05. Storage stability	-
07.02.06. Recommended storage temperature	10 – 25 °C < 30 °C

## 08. Exposure controls/personal protection

08.01. Additional hints on technical system design.	No special measures necessary.
08.02. Ingredients with occupational exposure limits to be monitored	CAS: 80-62-6 Methylmethacrylat; MAK: MMA 50 ppm – 210 mg/m <sup>3</sup> CAS: 94-36-0 Dibenzoylperoxid, MAK: 5 mg/m <sup>3</sup>

08.03. Personal protective equipment <input type="checkbox"/> Personal protective equipment <input type="checkbox"/> Persönliche Schutzausrüstung	
08.03.01. Respiratory protection	Dust mask
08.03.02. Hand protection	Gloves (solvent-resistant)
08.03.03. Eye protection	tightly fitting safety glasses
08.03.04. Skin protection	light protective clothing
08.03.05. General protective and hygiene measures	Do not eat, drink or smoke during work time., Keep separated from food-stuffs and feed-stocks., Avoid contact with eyes and skin., Observe the usual precautions when handling chemicals.

## 09. Physical and chemical properties

09.01. Appearance.	
09.01.01. Form	Fine powder
09.01.02. Colour	Various, depending on coloration
09.01.03. Odour	characteristic

09.02. Safety data	
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### Changes in physical state

Softening temperature	Ca. 110	°C	
Flash point	> 250	°C	DIN 51755
Ignition temperature	> 400	°C	DIN 51794
self ignition			
explosion limits	n.b.	Vol %	
Upper explosion limit	n.b.	Vol %	
Vapour pressure	n.a.	hPa	20 °C
Density	2,1	g/cm <sup>3</sup>	20 °C
solubility	insoluble	g/l	20 °C
Soluble in	Soluble in esters, CKW	g/l	
pH-Value	n.a.		
Viscosity	n.b.		

09.03. Other information ( chapter 9.)	-
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## 10. Stability and reactivity

10.01. Hazardous reactions	-
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10.02. Hazardous decomposition products	Irritant gases/vapours Methyl methacrylate
10.03. Thermal decomposition	> 250 °C
10.04. Additional informations (chapter 10)	Recommended storage temperature < 30°C

## 11. Toxicological information

11.01. Acute toxicity	
11.01.01. Acute oral toxicity	-
11.01.02. Acute dermal toxicity	-
11.01.03. Acute inhalational toxicity	-
11.02. Irritant/corrosive effects	
11.02.01. Irritant effect on skin	irritant Dibenzoylperoxid < 1 %
11.02.02. Irritant effect on eyes	irritant Dibenzoylperoxid < 1 %
11.03. Sensitization	Possibility of sensitization through skin contact. Dibenzoylperoxid < 1 %
11.04. Effects after repeated or prolonged exposition (subacute, subchronic, cronic)	The product can cause skin and eye irritation., Irritates the mucous membrane. No toxicological data are available.
11.08. Other information (chapter 11.)	-
11.09. Experiences made in practice.	-
11.10. General remarks.	-

## 12. Ecological information

12.01. Data on elimination ( persistence and degradability) :	
12.01.01. Physico-chemical eliminability	The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation.
12.01.02. Biodegradability	-
12.02. Behaviour in environment compartments.	-
12.03. Ecotoxic effect	
12.03.01. Fish toxicity	-
12.03.02. Daphnia toxicity	-
12.03.03. Algae toxicity	-
12.03.04. Bacteria toxicity	-
12.04. Further ecological information	Do not allow to enter soil, waterways or waste water canal.

## 13. Disposal considerations

13.01. Disposal considerations	
13.01.01. Disposal / product	-
13.01.02. Disposal / contaminated packagings.	Completely emptied packagings can be given for recycling.
13.02. Waste code no. / name of waste (for Germany only)	57117 Polyacrylat- u. Polycarbonat The stated Waste Code Number(s) according to the European Waste Catalogue (EAK) is (are) considered as a recommendation. A definite setting (establishment) should be carried out in co-ordination with the Regional Waste Disposal Authority.

## 14. Transport information

14.01. Land transport ADR/RID	
14.01.01. Class	-
14.01.02. Number/letter	-
14.01.03. Hazard number (Kemler-number)	
14.01.04. UN number	
14.01.05. Technical name	

14.01.06. Remarks	
14.02. Inland waterways transport ADN/ADNR	
14.02.01. Class	-
14.02.02. Number/letter	-
14.02.03. Category	-
14.02.04. Technical name	
14.02.05. Remarks	-
14.03. Marine transport IMDG/GGVSee	
14.03.01. Class	
14.03.02. UN number	
14.03.03. page	
14.03.04. EmS	
14.03.05. MFAG	-
14.03.06. MARINE POLLUTANT	-
14.03.07. Correct technical name	
14.03.08. Remarks	
14.04. Air transport ICAO/IATA	
14.04.01. Class	
14.04.02. UN number	
14.04.03. page	
14.04.04. Correct technical name	
14.04.05. Remarks	
14.05. Other information (chapter 14.)	-

## 15. Regulatory information

15.01. Labelling in accordance with GefStoffV/EC	
The product does not require a hazard warning label in accordance with EC directives/German regulations on dangerous substances.	
15.01.02. Hazard symbols	
R phrases	
S phrases	
15.02. Other regulations	
15.02.01. Restriction of occupation.	-
15.02.02. Decree for case of interference / remarks (for Germany only).	-
15.02.03. Classification according to VbF / remarks (for Germany only).	
15.02.04. TA-Luft (Ger.)	-
15.02.05. Water Hazard Class (Ger.)	1
15.02.06. Other regulations, restrictions and prohibition regulations (for Germany only)	-

## 16. Other information (chapter 16.).

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(n.a. = Not applicable; n.b.= not determined)

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.